

DEPARTMENT of ENVIRONMENTAL SERVICES

Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake:	GRIST MILL POND	Lake Area (ha):	10.12
Town:	ASHLAND	Maximum Depth (m)	
County:	GRAFTON	Mean Depth (m):	
River Basin:	MERRIMACK	Volume (m³):	
Latitude:		Relative depth:	
Longitude:		Shore Configuration:	
Elevation (ft):		Areal water load (m/yr):	
Shore length (m):		Flushing Rate (yr⁻¹):	
% Watershed Ponded:		P retention coeff.:	
Watershed Area (ha)		Lake Type	artificial

BIOLOGICAL:

01-Apr-03

DOM. PHYTOPLANKTON (% TOTAL) #1

#2

#3

CHLOROPHYLL-A (ug/L)

DOM. ZOOPLANKTON (% TOTAL) #1

#2

#3

ROTIFERS/LITER

MICROCRUSTACEA/LITER

ZOOPLANKTON ABUNDANCE (#/L)

VASCULAR PLANT ABUNDANCE

SECCHI DISK TRANSPARENCY (m)

BOTTOM DISSOLVED OXYGEN (mg/L)

BACTERIA (E. coli, #/100ml) #1

#2

#3

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):	None
Hypolimnion volume (m³):	None
Anoxic Volume (m³):	None

CHEMICAL:

Lake: GRIST MILL POND

Town: ASHLAND

DEPTH (M)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDHAL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (umhos/cm)					
APPARENT COLOR (CPU)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

#Error

D.O.

S.D.

PLANT

CHL

TOTAL

CLASS

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COMMENTS:

1. This is an impoundment of the Squam River. It is not considered to be a lake for the purposes of sampling and was removed from the list of lakes to sample.